STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION

DATE: September 23, 2016

FROM: Matt Urban
Wetlands Program Manager

AT (OFFICE): Department of Transportation
Bureau of Environment

SUBJECT **PERMIT AMENDMENT**
North Hampton, 16060
(DES#2015-03249)

TO Gino Infascelli, Public Works Permitting Officer
New Hampshire Wetlands Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Forwarded herewith is a copy of the original impact plans along with a revised plan sheet dated 9/23/16. A summary of what prompted the change in impacts along with a revised construction sequence has been included.

In a brief summary the overall project impacts have gone down from 2,083 sq. ft. to 1,992 sq. ft. of impact. This is an overall reduction of 91 sq. ft. While the overall impacts were reduced the permanent impacts increased from 310 sq. ft. to 325 sq. ft. of impact. This is a 15 sq. ft. increase. Temporary impacts were reduced from 1,773 sq. ft. of impact to1,667 sq. ft. of impact. This is a 106 sq. ft. reduction.

As these changes did not result in an overall increase of impact no additional permitting fees are required.

The project as previously permited did not require mitigation. The prosposed changes will not trigger the need for mitigation.

The lead people to contact for this project are Tobey Reynolds, Highway Design (271-2524 or treynolds@dot.state.nh.us) or Matt Urban, Wetlands Program Manager, Bureau of Environment (271-3226 or murban@dot.state.nh.us).

If and when this application meets with the approval of the Bureau, please send the permit directly to Matt Urban, Wetlands Program Manager, Bureau of Environment.

MRU:mru
Enclosures

cc:
BOE Original
Town of North Hampton Conservation Commission
Edna Feighner, (R&C#6302)
Carol Henderson, NH Fish and Game (Via Electronic Notification)
Maria Turr, USF&WS (Via Electronic Notification)
Mark Kern, EPA (Via Electronic Notification)
Michael Hicks, US Army Corp of Engineers (Via Electronic Notification)
Bob Davis, Highway Design (Via Electronic Notification)

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9/23/2016

North Hampton 16060 Wetland Impact Area Changes

This project originally advertised on April 26, 2016. Bids came back higher than anticipated, with the "A" bidder having an estimated cost 20% higher than the NHDOT's estimate. As a result, the Front Office requested the project be revisited in an effort to reduce overall cost. Significant changes include revised utility relocation, a road closure rather than maintain one-lane of traffic at all time, and allowing the contractor to install the entire box culvert in one operation. Construction sequencing resulting from these changes can be found on the attached sheet.

In addition, several wetland impact areas have been modified and are explained below:

- Reduced Temporary Impact Area C (Sta. 103+25 LT) due to reduced width of excavation for box culvert replacement. (Coffer dams at 14' off center rather than 25')
- Reduced Temporary Impact Areas F and H (Sta. 102+75 RT) due to reduced width of excavation for box culvert replacement. (Coffer dams at 14' off center rather than 25')
- Enlarged Temporary Impact Area I (Sta. 103+25 RT) due to uncertainty of limits of regrading area at inlet of existing culverts to allow for bypass flow.
- Enlarged Permanent Impact Area G (Sta. 103+90 RT) because of oversight of stone work being done. (Now includes area immediately at outlet, which was shown as a temporary impact before.)
- Slight shift for all Permanent Impact areas at inlet and outlet of culvert. This was caused by a drafting error of 1' extra box culvert length on either side. As a result, most areas got slightly smaller because of location of wetland lines within proposed outlet area.

9/23/2016

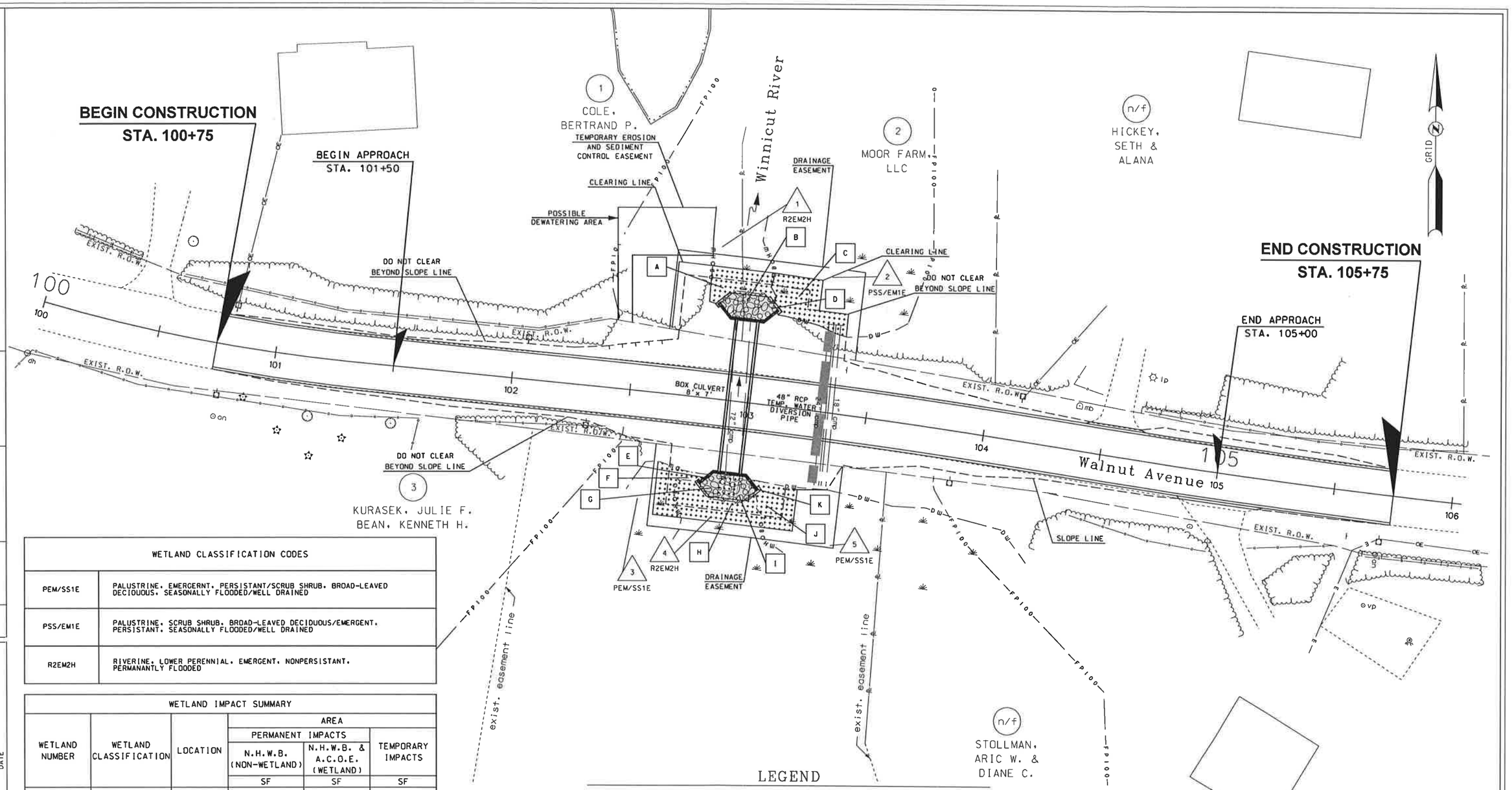
North Hampton 16060 Construction Sequencing

- Install portable concrete barrier (done by District 6)
- Lower utilities
- Close road
- Install erosion control measures
- Establish bypass flow (existing culverts or new 48" RCP at 103+30)
- Install cofferdams
- Remove existing 72' cmp
- Excavate muck/disposal of muck
- Dewater area into erosion and sediment control easement – as needed
- Install 8'x7' box culvert
- Construct headwalls, wingwalls, stone outlets, and beaver deceivers
- Remove cofferdams
- Remove bypass flow pipe(s)
- Reconstruct roadway up to and including pavement
- Reopen road
- Finish slope work, etc.

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED SEL DATE 09/2014
NEW DESIGN DPE DATE 01/2015
SHEET CHECKED RED DATE 01/2015
AS BUILT DETAILS DATE



WETLAND CLASSIFICATION CODES	
PEM/SS1E	PALUSTRINE, EMERGERNT, PERSISTANT/SCRUB SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/WELL DRAINED
PSS/EM1E	PALUSTRINE, SCRUB SHRUB, BROAD-LEAVED DECIDUOUS/EMERGENT, PERSISTANT, SEASONALLY FLOODED/WELL DRAINED
R2EM2H	RIVERINE, LOWER PERENNIAL, EMERGENT, NONPERSISTANT, PERMANANTLY FLOODED

WETLAND IMPACT SUMMARY					
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA		
			PERMANENT IMPACTS		TEMPORARY IMPACTS
			N.H.W.B. (NON-WETLAND)	N.H.W.B. & A.C.O.E. (WETLAND)	
			SF	SF	SF
1	R2EM2H	A			300
		B		140	
2	PSS/EM1E	C			442
		D		40	
3	PEM/SS1E	E		17	
		F			233
4	R2EM2H	G		50	
		H			505
		I		35	
5	PEM/SS1E	J			293
		K		28	

PERMANENT IMPACTS: 310 SF
TEMPORARY IMPACTS: 1773 SF
TOTAL IMPACTS: 2083 SF

LEGEND

TYPE OF WETLAND IMPACT	SHADING/ HATCHING
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	
TEMPORARY IMPACTS	

WETLAND DESIGNATION NUMBER

WETLAND IMPACT LOCATION

DELINEATED BY: CHRISTINE PERRON
DATE: 9/12/14

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

WETLAND IMPACT PLANS

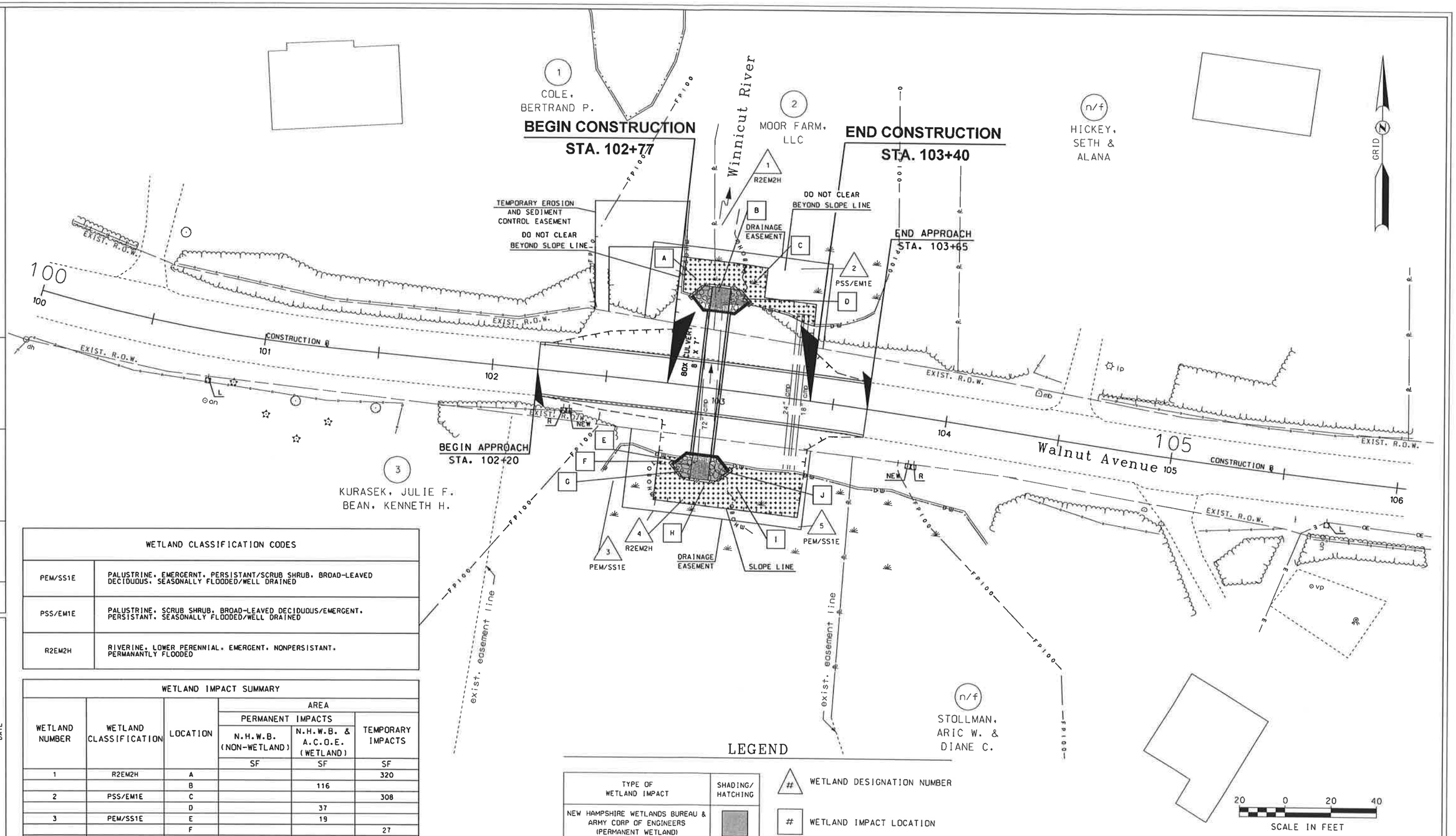
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16060wetplans	16060	5	7

Original Plans

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED SEL DATE 09/2014
NEW DESIGN CNS DATE 09/2016
SHEET CHECKED RED DATE 09/2016
AS BUILT DETAILS DATE



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KURASEK, JULIE F.
BEAN, KENNETH H.

WETLAND CLASSIFICATION CODES	
PEM/SS1E	PALUSTRINE, EMERGERNT, PERSISTANT/SCRUB SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/WELL DRAINED
PSS/EM1E	PALUSTRINE, SCRUB SHRUB, BROAD-LEAVED DECIDUOUS/EMERGENT, PERSISTANT, SEASONALLY FLOODED/WELL DRAINED
R2EM2H	RIVERINE, LOWER PERENNIAL, EMERGENT, NONPERSISTANT, PERMANANTLY FLOODED

WETLAND IMPACT SUMMARY

WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA		
			PERMANENT IMPACTS		TEMPORARY IMPACTS
			N.H.W.B. (NON-WETLAND)	N.H.W.B. & A.C.O.E. (WETLAND)	
			SF	SF	SF
1	R2EM2H	A			320
		B		116	
2	PSS/EM1E	C			308
		D		37	
3	PEM/SS1E	E		19	
		F			27
4	R2EM2H	G		126	
		H			423
5	PEM/SS1E	I			589
		J		27	

PERMANENT IMPACTS: 325 SF
TEMPORARY IMPACTS: 1667 SF
TOTAL IMPACTS: 1992 SF

LEGEND

TYPE OF WETLAND IMPACT	SHADING/ HATCHING
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	
TEMPORARY IMPACTS	

WETLAND DESIGNATION NUMBER

WETLAND IMPACT LOCATION

DELINEATED BY: CHRISTINE PERRON
DATE: 9/12/14

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

WETLAND IMPACT PLANS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16060wetplans	16060	1	1

Revised Plan 9/23/16